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OIPE

## RAW SEQUENCE LISTING

DATE: 03/27/2002

PATENT APPLICATION: US/10/083,768

TIME: 13:24:50

Input Set A:\PK3065US3 SeqList.txt

Output Set: N:\CRF3\03272002\J083768.raw

## SEQUENCE LISTING

## 4 (1) GENERAL INFORMATION.

6 (i) APPLICANT: Dower, William J.

7 Barrett, Ronald W.

8 Cwirla, Steven E.

9 Duffin, David J.

10 Gates, Christian

11 Haseiden, Sherril S.

12 Mattheakis, Larry C.

13 Schatz, Peter J.

14 Wagstrom, Christopher R.

15 Wrighton, Nicholas C.

17 (ii) TITLE OF INVENTION: PEPTIDES AND COMPOUNDS THAT BIND TO A  
18 THROMBOPOIETIN RECEPTOR

20 (iii) NUMBER OF SEQUENCES: 232

22 (iv) CORRESPONDENCE ADDRESS:

23 (A) ADDRESSEE: Glaxo Wellcome

24 (B) STREET: Five Moore Drive, P.O. Box 13398

25 (C) CITY: Research Triangle Park

26 (D) STATE: NC

27 (E) COUNTRY: USA

28 (F) ZIP: 27709

30 (v) COMPUTER READABLE FORM:

31 (A) MEDIUM TYPE: Floppy disk

32 (B) COMPUTER: IBM PC compatible

33 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

34 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

36 (vi) CURRENT APPLICATION DATA:

C--&gt; 37 (A) APPLICATION NUMBER: US/10/083,768

C--&gt; 38 (B) FILING DATE: 27-Feb-2002

40 (viii) ATTORNEY/AGENT INFORMATION:

41 (A) NAME: Hrubiec, Robert T

42 (B) REGISTRATION NUMBER: 36 392

43 (C) REFERENCE/DOCKET NUMBER PK3065USW

45 (ix) TELECOMMUNICATION INFORMATION:

46 (A) TELEPHONE: 919-248-1000

49 (2) INFORMATION FOR SEQ ID NO: 1

51 (i) SEQUENCE CHARACTERISTICS:

52 (A) LENGTH: 5 amino acids

53 (B) TYPE: amino acid

54 (C) STRANDEDNESS

55 (D) TOPOLOGY linear

57 (ii) MOLECULE TYPE peptide

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62 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
W--> 64   Trp Ser Xaa Trp Ser
65       1       5
67 (2) INFORMATION FOR SEQ ID NO: 2:
69 (i) SEQUENCE CHARACTERISTICS:
70 (A) LENGTH: 7 amino acids
71 (B) TYPE: amino acid
72 (C) STRANDEDNESS:
73 (D) TOPOLOGY: linear
75 (ii) MOLECULE TYPE: peptide
80 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
W--> 82   Xaa Xaa Xaa Xaa Xaa Xaa Xaa
83       1       5
85 (2) INFORMATION FOR SEQ ID NO: 3:
87 (i) SEQUENCE CHARACTERISTICS:
88 (A) LENGTH: 9 amino acids
89 (B) TYPE: amino acid
90 (C) STRANDEDNESS:
91 (D) TOPOLOGY: linear
93 (ii) MOLECULE TYPE: peptide
98 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
W--> 100  Xaa Gly Xaa Xaa Xaa Xaa Trp Xaa
101       1       5
103 (2) INFORMATION FOR SEQ ID NO: 4:
105 (i) SEQUENCE CHARACTERISTICS:
106 (A) LENGTH: 9 amino acids
107 (B) TYPE: amino acid
108 (C) STRANDEDNESS:
109 (D) TOPOLOGY: linear
111 (ii) MOLECULE TYPE: peptide
116 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
W--> 118  Xaa Gly Pro Thr Leu Arg Xaa Trp Xaa
119       1       5
121 (2) INFORMATION FOR SEQ ID NO: 5:
123 (i) SEQUENCE CHARACTERISTICS:
124 (A) LENGTH: 10 amino acids
125 (B) TYPE: amino acid
126 (C) STRANDEDNESS:
127 (D) TOPOLOGY: linear
129 (ii) MOLECULE TYPE: peptide
134 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
W--> 136  Xaa Xaa Gly Xaa Xaa Xaa Xaa Trp Xaa
137       1       5       10
139 (2) INFORMATION FOR SEQ ID NO: 6:
141 (i) SEQUENCE CHARACTERISTICS:
142 (A) LENGTH: 18 amino acids
143 (B) TYPE: amino acid
144 (C) STRANDEDNESS:
145 (D) TOPOLOGY: linear

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## RAW SEQUENCE LISTING

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Input Set : A:\PK3065US3 SeqList.txt

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147 (ii) MOLECULE TYPE: peptide
152 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
154 Gly Gly Cys Ala Asp Gly Pro Thr Leu Arg Glu Trp Ile Ser Phe Cys
155 1 5 10 15
157 Gly Gly
160 (2) INFORMATION FOR SEQ ID NO: 7:
162 (i) SEQUENCE CHARACTERISTICS:
163 (A) LENGTH: 19 amino acids
164 (B) TYPE: amino acid
165 (C) STRANDEDNESS:
166 (D) TOPOLOGY: linear
168 (ii) MOLECULE TYPE: peptide
173 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7
175 Gly Asn Ala Asp Gly Pro Thr Leu Arg Gln Trp Leu Glu Gly Arg Arg
176 1 5 10 15
178 Pro Lys Asn
181 (2) INFORMATION FOR SEQ ID NO: 8:
183 (i) SEQUENCE CHARACTERISTICS:
184 (A) LENGTH: 19 amino acids
185 (B) TYPE: amino acid
186 (C) STRANDEDNESS:
187 (D) TOPOLOGY: linear
189 (ii) MOLECULE TYPE: peptide
194 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8
196 Gly Gly Cys Ala Asp Gly Pro Thr Leu Arg Glu Trp Ile Ser Phe Cys
197 1 5 10 15
199 Gly Gly Lys
202 (2) INFORMATION FOR SEQ ID NO: 9:
204 (i) SEQUENCE CHARACTERISTICS:
205 (A) LENGTH: 18 amino acids
206 (B) TYPE: amino acid
207 (C) STRANDEDNESS:
208 (D) TOPOLOGY: linear
210 (ii) MOLECULE TYPE: peptide
215 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9
217 Thr Ile Lys Gly Pro Thr Leu Arg Gln Trp Leu Lys Ser Arg Glu His
218 1 5 10 15
220 Thr Ser
223 (2) INFORMATION FOR SEQ ID NO: 10:
225 (i) SEQUENCE CHARACTERISTICS:
226 (A) LENGTH: 18 amino acids
227 (B) TYPE: amino acid
228 (C) STRANDEDNESS:
229 (D) TOPOLOGY: linear
231 (ii) MOLECULE TYPE: peptide
236 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
238 Ser Ile Glu Gly Pro Thr Leu Arg Glu Trp Leu Thr Ser Arg Thr Pro
239 1 5 10 15
241 His Ser

```

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Input Set : A:\PK3065US3 SeqList.txt

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244 (2) INFORMATION FOR SEQ ID NO: 11:

246 (i) SEQUENCE CHARACTERISTICS:

247 (A) LENGTH: 19 amino acids

248 (B) TYPE: amino acid

249 (C) STRANDEDNESS:

250 (D) TOPOLOGY: linear

252 (ii) MOLECULE TYPE: peptide

257 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:

259 Leu Ala Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu His Gly Asn Gly

260 1 5 10 15

262 Arg Asp Thr

265 (2) INFORMATION FOR SEQ ID NO: 12:

267 (i) SEQUENCE CHARACTERISTICS:

268 (A) LENGTH: 14 amino acids

269 (B) TYPE: amino acid

270 (C) STRANDEDNESS:

271 (D) TOPOLOGY: linear

273 (ii) MOLECULE TYPE: peptide

278 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:

280 Cys Ala Asp Gly Pro Thr Leu Arg Glu Trp Ile Ser Phe Cys

281 1 5 10

284 (2) INFORMATION FOR SEQ ID NO: 13:

286 (i) SEQUENCE CHARACTERISTICS:

287 (A) LENGTH: 14 amino acids

288 (B) TYPE: amino acid

289 (C) STRANDEDNESS:

290 (D) TOPOLOGY: linear

291 (ii) MOLECULE TYPE: peptide

296 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:

298 Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala

299 1 5 10

301 (2) INFORMATION FOR SEQ ID NO: 14:

303 (i) SEQUENCE CHARACTERISTICS:

304 (A) LENGTH: 7 amino acids

305 (B) TYPE: amino acid

306 (C) STRANDEDNESS:

307 (D) TOPOLOGY: linear

309 (ii) MOLECULE TYPE: peptide

314 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:

W--&gt; 316 Cys Xaa Xaa Xaa Xaa Xaa Xaa

317 1 5

319 (2) INFORMATION FOR SEQ ID NO: 15:

321 (i) SEQUENCE CHARACTERISTICS:

322 (A) LENGTH: 16 amino acids

323 (B) TYPE: amino acid

324 (C) STRANDEDNESS:

325 (D) TOPOLOGY: linear

327 (ii) MOLECULE TYPE: peptide

332 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/083,768

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Input Set : A:\PK3065US3 SeqList.txt

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334      Gly Gly Cys Ile Leu Arg His Ile Leu His Gly Gly Phe Cys Gly Gly
335      1          5          10          15
338 (2) INFORMATION FOR SEQ ID NO: 16:
340      (i) SEQUENCE CHARACTERISTICS:
341          (A) LENGTH: 8 amino acids
342          (B) TYPE: amino acid
343          (C) STRANDEDNESS:
344          (D) TOPOLOGY: linear
346      (ii) MOLECULE TYPE: peptide
351      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
W--> 353      Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa
354      1          5
356 (2) INFORMATION FOR SEQ ID NO: 17:
358      (i) SEQUENCE CHARACTERISTICS:
359          (A) LENGTH: 15 amino acids
360          (B) TYPE: amino acid
361          (C) STRANDEDNESS:
362          (D) TOPOLOGY: linear
364      (ii) MOLECULE TYPE: peptide
369      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
371      Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Lys
372      1          5          10          15
374 (2) INFORMATION FOR SEQ ID NO: 18:
376      (i) SEQUENCE CHARACTERISTICS:
377          (A) LENGTH: 16 amino acids
378          (B) TYPE: amino acid
379          (C) STRANDEDNESS:
380          (D) TOPOLOGY: linear
382      (ii) MOLECULE TYPE: peptide
385      (ix) FEATURE:
386          (A) NAME/KEY: Modified-site
387          (B) LOCATION: 15
388          (E) OTHER INFORMATION: /product= "Beta-ala"
391      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
W--> 393      Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Xaa Lys
394      1          5          10          15
397 (2) INFORMATION FOR SEQ ID NO: 19:
399      (i) SEQUENCE CHARACTERISTICS:
400          (A) LENGTH: 33 base pairs
401          (B) TYPE: nucleic acid
402          (C) STRANDEDNESS: double
403          (D) TOPOLOGY: linear
405      (ii) MOLECULE TYPE: cDNA
408      (ix) FEATURE:
409          (A) NAME/KEY: CDS
410          (B) LOCATION: 1..84
413      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
415 CTC GAG AGC GGC CAG GTG ATG CAG GAG CAG GTG GGT GGT GAG GCC
416 Leu Glu Ser Gly Gln Val Val His Gly Glu Gln Val Gly Gly Glu Ala

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## VERIFICATION SUMMARY

PAIFNI APPLICATION: US/10/083,768

DATE: 03/27/2002

TIME: 13:24:51

Input Set : A:\PK3065US3 SeqList.txt

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L:37 M:220 C: Keyword misspelled or invalid format. [(A) APPLICATION NUMBER:]  
L:38 M:220 C: Keyword misspelled or invalid format. [(B) FILING DATE:]  
L:64 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:82 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:100 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:316 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14  
L:351 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16  
L:393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18  
L:457 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21  
L:460 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21  
L:478 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22  
L:481 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22  
L:499 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:502 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:520 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:523 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:1651 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:184  
L:1669 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:185  
L:2312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:147  
L:2354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:149  
L:3322 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:172  
L:3362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:174  
L:3389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175  
L:3411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:176  
L:3438 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:177  
L:3465 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:178  
L:3487 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:179  
L:3509 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:180  
L:3530 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:184  
L:3814 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:196  
L:3854 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:198  
L:3894 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:200  
L:3934 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:202  
L:3974 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:204  
L:4327 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:223  
L:4345 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:224  
L:4418 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:227  
L:4433 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:228  
L:4503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:231  
L:4523 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:232